

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/000098

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷ F24H3/00 H05B3/00 F24C7/04 F24C7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷ F24H3/00, H05B3/00, F24C7/04, F24C7/06, F24C7/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Chinese Patent Document (1984-2004)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI, PAJ, CNPAT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US,A, 4551617 (Thorn EMI Domestic Appliances Limited) 5.Nov.1985(05.11.1985) column 2, line 4, to column 3 line 15, figures 2	1, 7-9
X	US,A,4563572 (Armstrong World Industries, Inc) 7.Jan.1986(07.01.1986) column 2, line 46, to column 5 line 7, figures 1	18,20
Y	US,A,4563572 (Armstrong World Industries, Inc) 7.Jan.1986(07.01.1986) column 2, line 46, to column 5 line 7, figures 1	21
Y	US, A, 5628859 (Mecasonic S.A) 13.May.1997(13.05.1997) column 4, line 51 to line 62, Figure 8	21
A	US,A, 5335309 (Matsushita Electric Industrial Co.) 2.Aug.1994 (02.08.1994) the whole document	2-5
A	US,A, 4739152(James W Downs) 19.Apr.1988(19.04.1988) the whole document	18-21
A	US,A ,5719991(Micron Technology, Inc.) 17.Feb,1998(17.02.1998) the whole document	18-21
A	US,A, 1917461(Birtman Electric Company) 11.Jul.1933 (11.07.1933) the whole document	18-21

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
1.Oct. 2004

Date of mailing of the international search report

11 . NOV 2004 (1 1 . 1 1 . 2 0 0 4)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2004/000098

Patent document cited	Publication date	Patent member(s)	Publication date
In search report			
US,A, 4551617	05-11-1985	EP,A,0131372	01-16-1985
		DE,G, 3478559	06-07-1989
		JP,A,60010579	19-01-1985
		CA,A, 1228390	20-10-1987
US,A, 4563572	07-01-1986	CA,A, 1251253	14-03-1989
US,A, 5628859	13-05-1997	EP,A,0629488	21-12-1994
		FR,A, 2706353	23-12-1995
		JP,A,7009565	13-01-1995
		DE,B, 6940787	19-02-1998
US,A, 5335309	08-02-1994	EP,A, 0531624	17-03-1993
		JP,A,5054960	05-03-1993
		CA,A, 5094862	01-03-1993
		DE,E,69206084	21-12-1995
US,A,4739152	19-04-1988	NONE	
US,A,5719991	17-02-1998	NONE	
CN,Y, 2530191	08-01-2003	NONE	